

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows.

1. (Currently Amended) ~~A system for managing communication on a network having a reconfigurable router device to accommodate variations in parameters for changing from one network interface device to another for the router's network connection, the system comprising:~~
 - a first network;
 - a data acquisition device connected to the first network;
 - a second network;
 - a mobile data acquisition unit consisting of a router and at least one host, wherein the at least one host is configured to communicate with the data acquisition device through the first network, wherein the router is configured to communicate with the at least one host, and wherein the router isolates the at least one host and the data acquisition device from the second network;
 - ~~a first network for connecting to a data acquisition device;~~
 - ~~a router connected to the first network, wherein the router is for connecting to a second network having a number of second network hosts;~~
 - ~~a first network host connected to the first network;~~
 - a template file comprising an operating system command associated with the router, wherein the operating system command comprises a variable; and
 - a manager program for executing by a processor of the ~~first network~~ at least one host to assemble first configuring instructions from the template file for configuring the router, wherein network communication is established among the ~~first network~~ at least one host, the router and a host on the second network ~~hosts~~ responsive to the configuring of the router, and the configuring does not disrupt communication on the first network between the ~~first network~~ at least one host and the data acquisition device,

wherein the manager program interprets the variable during assembly of the first configuring instructions.

2. (Currently Amended) The system of claim 1, wherein the ~~first network~~ at least one host has a predetermined configuration, including parameters defining a certain identity, and the configuring includes setting parameters in the router that assign the certain identity to the router, so that the network communication between the ~~first network~~ at least one host and the router is established by the ~~first network~~ at least one host recognizing the router identity.
3. (Currently Amended) The system of claim 2, wherein the configuring includes setting parameters in the router for a network connection between the router and the second network, so that the network communication between the second network host[[s]] and the router is established by the host on the second network ~~hosts~~ recognizing the router identity via the network connection.
4. (Original) The system of claim 1, wherein the router comprises a processor, and wherein execution of the configuring instructions by the router processor automatically performs the router configuring.
5. (Original) The system of claim 4, wherein the system comprises second configuring instructions for executing by the router processor upon booting.
6. (Original) The system of claim 5, wherein the router comprises a storage unit, and the second configuring instructions include instructions stored in a configuration file on the router storage unit.
7. (Original) The system of claim 5, wherein the router comprises a reader for reading a portable storage device, and the second configuring instructions include instructions stored on an external storage device readable by the router's reader.
8. (Cancelled)

9. (Currently Amended) The system of claim 8, wherein the first configuring instructions include parameters for performing a network login to initialize the network communication on the first network between the router and the ~~first network~~ at least one host.
10. (Currently Amended) The system of claim 8, wherein the configuring instructions include configuring the router to substitute a network address of the router in place of a network address of the ~~first network~~ at least one host for communicating from the ~~first network~~ at least one host to ~~one of the host on the second network hosts~~.
11. (Original) The system of claim 8, wherein the configuring includes configuring the router to not send addresses of nodes in the first network to other routers.
12. (Currently Amended) A method for managing communication comprising on a network having a reconfigurable router device to accommodate variations in parameters for changing from one network interface device to another for the router's network connection, the method comprising the steps of:
- executing instructions by at least one host to assemble first configuring instructions for a router from a template file, wherein the router and the at least one host are located in a mobile data acquisition unit consisting of the router and the at least one host, wherein the router isolates the at least one host and a data acquisition device from a second network, wherein [[a]] the data acquisition device, the router and the at least one host are connected to a first network, and the data acquisition device and the at least one first network host are capable of network communication with one another thereon, and wherein the router is connected to [[a]] the second network having a number of second network host[[s]], wherein the template file comprises an operating system command associated with the router and wherein the operating system command comprises a variable;
- sending the first configuring instructions by the at least one first network host ~~via the first network~~ to the router; and

executing configuring instructions by the router, including the first configuring instructions, wherein ~~the step of~~ executing the configuring instructions by the router comprises ~~the step of~~:

configuring the router and establishing communication between the at least one first network host and the router, wherein the configuring does not disrupt the network communication between the at least one first network host and the data acquisition device on the first network,

wherein ~~[[the]]~~ a manager program, for execution by a processor of the at least one host, interprets the variable during assembly of the first configuring instructions.

13. (Currently Amended) The method of claim 12, wherein the at least one first network host has a predetermined configuration, including parameters defining a certain identity, and wherein the step of executing the configuring instructions by the router comprises ~~the step of~~:

assigning the certain identity to the router, so that the network communication between the at least one first network host and the router is established by the at least one first network host recognizing the router identity.

14. (Currently Amended) The method of claim 13, wherein the step of executing the configuring instructions by the router comprises ~~the step of~~:

making a network connection between the router and the second network, so that the network communication between a host on the second network ~~hosts~~ and the router is established by the host on the second network ~~hosts~~ recognizing the router identity via the network connection.

15. (Currently Amended) The method of claim 14, wherein certain ones of the configuring instructions include instructions for executing by the router upon the router booting, and ~~the step of~~ executing the configuring instructions by the router comprises executing the certain ones of the configuring instructions.

16. (Original) The method of claim 15, wherein the router has a storage unit, and the certain ones of the configuring instructions include instructions stored in a configuration file on the router storage unit.
17. (Original) The method of claim 15, wherein the router has a reader, and the certain ones of the configuring instructions include instructions stored on an external storage device readable by the router's reader.
18. (Currently Amended) The method of claim 15, wherein the step of executing the configuring instructions by the router comprises ~~the step of~~:
- logging in to the router to initialize the network communication on the first network between the router and the at least one ~~first network~~ host.
19. (Currently Amended) The method of claim 18, wherein the step of executing the configuring instructions by the router comprises the ~~step of~~:
- configuring the router to substitute a network address of the router in place of a network address of the at least one ~~first network~~ host for communicating from the at least one ~~first network~~ host to the host on the ~~one of the~~ second network hosts.
20. (Currently Amended) The method of claim 19, wherein the step of executing the configuring instructions by the router comprises the ~~step of~~:
- configuring the first router to not send addresses of nodes in the first network to other routers.
21. – 29. (Cancelled)
30. (Previously Presented) The system of claim 1, wherein the data acquisition device comprises a down-hole transmitter.
31. (Previously Presented) The method of claim 12, wherein the data acquisition device comprises a down-hole transmitter.

Application No.: 09/755,002

Docket No.: 09428/184001

32. (Cancelled)